INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/41939

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B29D 17/00; G03H 1/32; G03B 21/60
US CL : 428/141; 156/231; 430/320

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 428/141, 156, 418, 912.2, 913; 156/231, 275.5; 430/320, 1, 2, 321, 290; 264/2.5, 1.31; 359/15, 22, 599

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,609,939 A (PETERSEN et al) 11 March 1997 (11.03.1997), abstract, columns 3-10.	1-47
Y	US 5,534,386 A (PETERSEN et al) 09 July 1996 (09.07.1996), abstract, columns 3-11.	1-47
Y	US 4,906,315 A (MCGREW) 06 March 1990 (06.03.1990), abstract, claims 1-12.	1-47
Y	US 4,758,296 A (MCGREW) 19 July 1988 (19.07.1988), abstract, claims 1-12.	1-47
A	US 5,151,917 A (PERILLOUX et al) 29 September 1992 (29.09.1992), abstract.	1-47
A	US 5,365,354 A (JANNSON et al) 15 November 1994 (15.11.1994), abstract.	1-47

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
14 January 2002 (14.01.2002)	14 FEB 2002
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